## LISTING THE CLAIMS

This listing of claims is provided for the convenience of the Examiner. No amendments are made.

## 1-19 (canceled)

20. (currently amended) An apparatus for locating an insulation fault on a cable including a conductor carrying a current, the cable being in contact with and at least partially submerged in a liquid, the apparatus comprising:

at least one voltage probe adapted to be positioned adjacent at least partially surround the cable with a gap between the at least one probe and the cable, and displaced along the cable whereby the liquid conducts at least a portion of the current across the gap between the probe and an insulation fault on the cable; and

a voltage comparator electrically connected to the at least one voltage probe for detecting an insulation fault when the voltage probe is positioned adjacent the fault.

- 21. (previously presented) The apparatus of claim 20, further comprising a body holding the at least one voltage probe, the body being adapted to at least partially surround a transverse section of the cable.
- 22. (previously presented) The apparatus of claim 21, wherein the at least one voltage probe comprises a plurality of voltage probes angularly spaced around the transverse section of the cable.

- 23. (previously presented) The apparatus of claim 21, wherein the conductor is an optical fiber cable having a cable locating conductor, and the body is adapted to at least partially surround a transverse section of the fiber optic cable.
- 24. (previously presented) The apparatus of claim 20, wherein the at least one voltage probe presents a conductive surface facing the cable.
- 25. (previously presented) The apparatus of claim 20, wherein the liquid is groundwater.
  - 26-33 (canceled)
- 34. (currently amended) A method for locating an insulation fault on a cable <u>in</u> contact with and at least partially submerged in a liquid, the cable carrying a current in a conductor, the method comprising the steps of:

positioning a voltage probe adjacent to at least partially surround the cable with a gap between the probe and the cable, whereby the liquid conducts at least a portion of the current across the gap between the probe and an insulation fault on the cable:

measuring a voltage at the voltage probe; and

based on the voltage, detecting the fault at a position of the voltage probe along the cable.

- 35. (previously presented) The method of claim 34, wherein the liquid is water.
- 36. (previously presented) The method of claim 34, wherein the voltage probe comprises a plurality of conductive surfaces facing the cable.

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- 37. (previously presented) The method of claim 34, wherein the step of positioning a voltage probe adjacent the cable includes at least partially surrounding the cable with the voltage probe.
- 38. (previously presented) The method of claim 34, further comprising the step of applying a voltage between approximately 80 and 100 volts to the conductor of the cable
- 39. (previously presented) The method of claim 34, further comprising the step of sounding an alarm when the fault is detected.
- 40. (previously presented) The method of claim 34, wherein the cable is a fiber optic cable and the current is a cable locating current.
- 41. (previously presented) The method of claim 40, further comprising the step of initially determining an approximate position of the fault by determining a position along the cable where an above-ground detectability of the cable locating current degrades.
  - 42-46 (canceled)